Ministry of
Natural
Resources

Ontario

ONTARIO GEOLOGICAL SURVEY

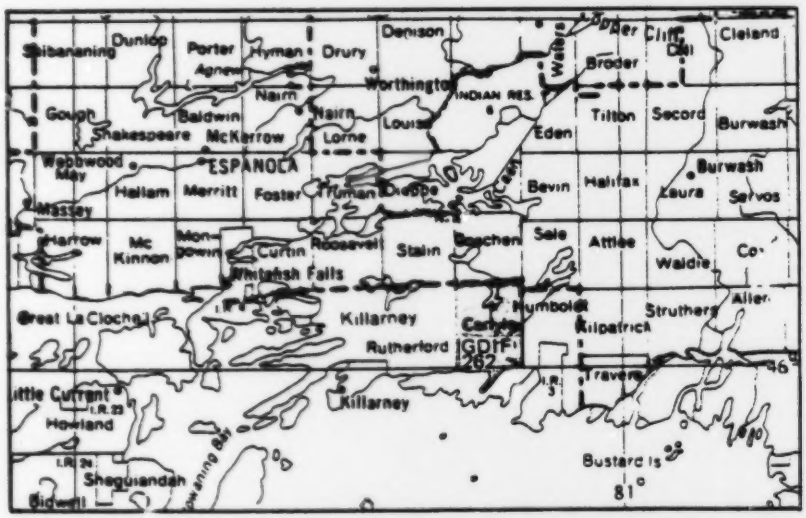
GEOLOGICAL DATA INVENTORY FOLIO

GDIF 262

CARLYLE TOWNSHIP

DISTRICT OF SUDBURY

Compiled by the Staff of
the Resident Geologist's Office
Sudbury



Scale 1:1 013 760 or 1 inch to 16 miles

86-1427/

NTS Number 41 I/3

Mining Claim Map Number M 702

STATEMENT: This inventory is unedited. Discrepancies may occur for which the Ontario Geological Survey does not assume liability. Information from this source may be quoted if credit is given. Reference to this inventory should be made as follows:

Ontario Geological Survey
1985: Carlyle Township, District of Sudbury; Ontario Geological Survey, Geological Data Inventory Folio 262; Compiled by the Staff of the Resident Geologist's Office, Sudbury, 16p. and 2 maps.

Original Compilation by: Ronald James MacNeil February 6, 1985

Date	Page Revised	Revised by

Date	Page Revised	Revised by

CARLYLE TOWNSHIP

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ACCOMPANYING MAPS

Property Location Map - 1

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Map Scale 1: 31 680 or 1 inch to ½ mile

CONVERSION FACTORS FOR MEASUREMENTS IN ONTARIO GEOLOGICAL SURVEY PUBLICATIONS

If the reader wishes to convert imperial units to SI (metric) units or SI units to imperial units the following multipliers should be used:

CONVERSION FROM SI TO IMPERIAL			CONVERSION FROM IMPERIAL TO SI		
SI Unit	*Multiplied by*	*Gives*	*Imperial Unit*	*Multiplied by*	*Gives*
			LENGTH		
1 mm	0.039 37	inches	1 inch	**25.4**	mm
1 cm	0.393 70	inches	1 inch	**2.54**	cm
1 m	3.280 84	feet	1 foot	**0.304 8**	m
1 m	0.049 709 7	chains	1 chain	20.116 8	m
1 km	0.621 371	miles (statute)	1 mile (statute)	**1.609 344**	km
			AREA		
1 cm^2	0.155 0	square inches	1 square inch	**6.451 6**	cm^2
1 m^2	10.763 9	square feet	1 square foot	**0.092 903 04**	m^2
1 km^2	0.386 10	square miles	1 square mile	2.589 988	km^2
1 ha	2.471 054	acres	1 acre	0.404 685 6	ha
			VOLUME		
1 cm^3	0.061 02	cubic inches	1 cubic inch	**16.387 064**	cm^3
1 m^3	35.314 7	cubic feet	1 cubic foot	0.028 316 85	m^3
1 m^3	1.308 0	cubic yards	1 cubic yard	0.764 555	m^3
			CAPACITY		
1 L	1.759 755	pints	1 pint	0.568 261	L
1 L	0.879 877	quarts	1 quart	1.136 522	L
1 L	0.219 969	gallons	1 gallon	**4.546 090**	L
			MASS		
1 g	0.035 273 96	ounces (avdp)	1 ounce (avdp)	28.349 523	g
1 g	0.032 150 75	ounces (troy)	1 ounce (troy)	**31.103 476 8**	g
1 kg	2.204 62	pounds (avdp)	1 pound (avdp)	**0.453 592 37**	kg
1 kg	0.001 102 3	tons (short)	1 ton (short)	**907.184 74**	kg
1 t	1.102 311	tons (short)	1 ton (short)	**0.907 184 74**	t
1 kg	0.000 984 21	tons (long)	1 ton (long)	**1016.046 908 8**	kg
1 t	0.984 206 5	tons (long)	1 ton (long)	**1.016 046 908 8**	t
			CONCENTRATION		
1 g/t	0.029 166 6	ounce (troy)/ ton (short)	1 ounce (troy)/ ton (short)	34.285 714 2	g/t
1 g/t	0.583 333 33	pennyweights/ ton (short)	1 pennyweight/ ton (short)	1.714 285 7	g/t

OTHER USEFUL CONVERSION FACTORS

1 ounce (troy)/ton (short)	20.0	pennyweights/ton (short)
1 pennyweight/ton (short)	0.05	ounce (troy)/ton (short)

One gram(g) per tonne is equivalent to one part per million (1 ppm).

NOTE–Conversion factors which are in bold type are exact. The conversion factors have been taken from or have been derived from factors given in the Metric Practice Guide for the Canadian Mining and Metallurgical Industries published by The Mining Association of Canada in co-operation with the Coal Association of Canada.

DATA SOURCES CHECK LIST

NOTE: The following sources have been searched to compile the data for this area. If no reference data was found the appropriate box is marked 'no'; if reference data was found, the box is marked 'yes'.

All reference data found are included in the following pages. If the box is blank, the data source has not yet been searched. If the box is marked N.A., the source item is Not Applicable to this area and therefore not searched.

	SOURCES OF DATA	Data	Initial
1	Resident Geologist's Office Files	Yes	R.M.
2	Assessment Files Research Office, Toronto	N.A.	R.M.
3	ODM General Index; 7 volumes	Yes	R.M.
4	Catalogue of Airborne Geophysical Surveys (ODM)	No	R.M.
5	ODM Mineral Resources Circulars and OGS Mineral Deposits Circulars	No	R.M.
6	ODM Industrial Mineral Reports	No	R.M.
7	Bibliography of Post Precambrian Theses - Karrow (ODM MP 1)	N.A.	R.M.
8	Bibliography of Precambrian Theses - Ginn (ODM MP 2)	Yes	R.M.
9	Newspaper Clippings File	No	R.M.
10	GSC Index to Publications	Yes	R.M.
11	OGS Index to Published Maps and Reports - MP 77 and Supplements to MP 77	Yes	R.M.
12	OGS Index Maps	Yes	R.M.
13	Source Mineral Deposit Records (O.G.S.)	No	R.M.
14	Author - Subject Articles File	Yes	R.M.
15	Miscellaneous Papers: ODM & OGS Mineral Occurrences File	Yes	R.M.
16	ODM Geological Circulars: OGS Study Series	Yes	R.M.
17	ODM Preliminary Reports: ODM Bulletins	Yes	R.M.
18	ODM – OGS Open File Reports	Yes	R.M.
19	OGS Northern Ontario Engineering Geology Terrain Studies	Yes	R.M.
20	OGS Aggregate Resources Inventory Papers	N.A.	R.M.
21	OGS Mineral Potential Maps	Yes	R.M.
22	Theses on File, Sudbury	Yes	R.M.
23	Aerial Photographs on File, Sudbury	Yes	R.M.

METALS AND MINERALS REFERENCES LIST

- Δ anh. . . . . .Anhydrite
- Δ ank. . . . . .Ankerite
- Δ anne . . . . . Annabergite
- Δ ap. . . . . .Apatite
- Δ arg . . . . . Argentite
- Δ As . . . . . .Arsenic
- Δ asp . . . . . .Arsenopyrite
- Δ asb . . . . . .Asbestos
- Δ ba. . . . . .Barite
- Δ be. . . . . .Beryl
- Δ Bi. . . . . .Bismuth
- Δ bn . . . . . .Bornite
- Δ bran . . . . . .Brannerite
- Δ bruc . . . . . .Brucite
- Δ Cd . . . . . Cadmium
- Δ calc. . . . . .Calcite
- Δ carb . . . . . .Carbonate
- Δ cel . . . . . .Celestite
- Δ cc. . . . . .Chalcocite
- Δ cp. . . . . .Chalcopyrite
- Δ ch. . . . . .Chert
- Δ clay . . . . . .Clay
- Δ Co . . . . . Cobalt
- Δ cob. . . . . Cobaltite
- Δ cb. . . . . .Columbite
- Δ Cu . . . . . .Copper
- Δ cor . . . . . Corundum
- Δ dol . . . . . Dolomite
- Δ ep. . . . . Epidote
- Δ ery . . . . . Erythrite
- Δ fel . . . . . .Feldspar
- Δ fl . . . . . .Fluorite (flurospar)
- Δ fu. . . . . .Fuchsite
- Δ gn. . . . . .Galena
- Δ gt. . . . . .Garnet
- Δ goe . . . . . .Goethite
- Δ Au . . . . . Gold
- Δ gf. . . . . .Graphite
- Δ gl . . . . . Gravel
- Δ gyp. . . . . Gypsum
- Δ hem . . . . . Hematite
- Δ il . . . . . Ilmenite
- Δ Fe . . . . . .Iron
- Δ IF. . . . . Iron Formation
- Δ jas . . . . . Jasper
- Δ kaol . . . . . .Kaolinite (kaolin)
- Δ ky . . . . . Kyanite
- Δ Pb . . . . . Lead
- Δ lim . . . . . Limonite
- Δ Li. . . . . Lithium
- Δ mgst . . . . . .Magnesite
- Δ mag . . . . . .Magnetite
- Δ mc . . . . . Malachite
- Δ Mn . . . . . Manganese
- Δ mb . . . . . Marble
- Δ mar. . . . . Marcasite
- Δ ma . . . . . .Marl
- Δ mi . . . . . Mica
- Δ ml . . . . . .Millerite
- Δ mo . . . . . Molybdenite
- Δ Mo . . . . . .Molybdenum
- Δ mon . . . . . Monazite
- Δ ne. . . . . Nephelite (nepheline)
- Δ nc. . . . . .Niccolite
- Δ Ni. . . . . Nickel
- Δ Nb . . . . . .Niobium
- Δ Pd . . . . . .Palladium
- Δ peat . . . . . .Peat
- Δ pent . . . . . .Pentlandite
- Δ Pt. . . . . .Platinum
- Δ py . . . . . .Pyrite
- Δ pyl . . . . . Pyrochlore
- Δ pyrl . . . . . .Pyrolusite
- Δ po . . . . . .Pyrrhotite
- Δ q . . . . . .Quartz
- Δ qcv . . . . .Quartz carbonate vein
- Δ ra. . . . . .Radioactive minerals
- Δ RE . . . . . .Rare Earths
- Δ sd. . . . . Sand
- Δ sgl . . . . . Sand and gravel
- Δ ss. . . . . .Sandstone
- Δ scap . . . . . Scapolite
- Δ shee . . . . . .Scheelite
- Δ serp . . . . . Serpentine
- Δ sh. . . . . .Shale
- Δ sid . . . . . Siderite
- Δ si . . . . . .Silica
- Δ Ag . . . . . .Silver
- Δ sl . . . . . Slate
- Δ sm . . . . . .Smaltite
- Δ sod. . . . . Sodalite
- Δ spec . . . . . Specularite
- Δ sp. . . . . .Sphalerite
- Δ spd. . . . . .Spodumene
- Δ staur. . . . . .Staurolite
- Δ stib. . . . . Stibnite
- Δ st . . . . . .Stone
- Δ talc. . . . . .Talc
- Δ Te . . . . . .Tellurium
- Δ td. . . . . Tetrahedrite
- Δ th. . . . . .Thorite
- Δ Th . . . . . .Thorium
- Δ thuc . . . . . Thucholite
- Δ ti . . . . . Titanite
- Δ Ti. . . . . Titanium
- Δ tour . . . . . .Tourmaline
- Δ trap . . . . . .Trap rock
- Δ W. . . . . Tungsten
- Δ uran . . . . . Uraninite
- Δ U . . . . . .Uranium
- Δ verm . . . . . .Vermiculite
- Δ Y . . . . . Yttrium
- Δ Zn . . . . . .Zinc
- Δ zr . . . . . Zircon

Solid triangles indicate metal and mineral occurrences shown on the accompanying maps.

CARLYLE TOWNSHIP

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks

GDIF FORM NO. 1

CAULLS TOWNSHIP

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE SUDBURY COMPANY/AUTHOR (file number)		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
1	Moody, J. P.			77	77															

GDIF FORM NO. 2

CARLYLE TOWNSHIP

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth Degrees	Initial Dip of Hole Degrees	Thickness of Overburden Feet	Total Length of Hole Feet	Mineralization Noted in Log	Assay Data Included for
1	Moody, J. P.	SC1	1977	NE-SW	90	0	27	fel	-
1a		SC2	1977	NE-SW	90	0	41	fel	-
2		1WM	1977	NE-SW	90	0	26	-	-
2a		2WM	1977	NE-SW	90	0	26	fel	-

GDIF FORM NO. 3

6 CARLYLE TOWNSHIP

AIRBORNE GEOPHYSICAL SURVEY DATA

No.	By For	Type of Survey	Flight Altitude	Flight Line Direction	Flight Line Spacing

GDIF FORM NO. 4

Map Sample Site Reference Number	GEOCHEMICAL SURVEY DATA		By	Reference
	Type of Survey	Analysis For		

GDIF FORM NO. 5

MISCELLANEOUS DATA

AGE DATING

Site	Method	Material	Reference	Result

GDIF FORM NO. 6

NEWSPAPER CLIPPINGS FILE

NOTE: A file of newspaper clippings about the companies listed below, who have worked in this area, is maintained in the Regional/Resident Geologist's Office.

No newspaper clippings as of February 4, 1985

ODM GENERAL INDEX SEARCH

Words searched: CARLYLE TOWNSHIP
COBALT FORMATION
GOWGANDA FORMATION
GRENVILLE FORMATION
HURONIAN SUPERGROUP
LORRAIN FORMATION

Index Volume	Listing:	Report Volume	Part	Page
9	CARLYLE TOWNSHIP, Manitoulin Dist.			
	Geology of the Sudbury-Espanola area	S 016		
	Geology of the Sudbury-Manitoulin area	GR166		
2	COBALT SERIES			
	Cobalt S. area,	29	3	80
2	GOWGANDA FORMATION			
	Age and composition	31	2	350
3	GOWGANDA FORMATION			
	L. Huron, N. shore of	38	7	7,14,16
8	GOWGANDA FORMATION			
	L. Huron, (N. shore) Sudbury & Manitoulin	GB 004		
9	GOWGANDA FORMATION			
	Sudbury-Manitoulin-Espanola area, Sudbury	GR131		8,14-15
	and Manitoulin Dist.	GR166		105
		S 016		69
8	GRENVILLE FRONT			
	Sudbury area, Sudbury Dist.	GB 004		89-94
		GR166		54-55
9	GRENVILLE FRONT TECTONIC ZONE			
	Sudbury-Manitoulin area			
	Sudbury & Manitoulin Dist.	GR166		153,197, 198
6	GRENVILLE OROGENY			
	Sudbury area	65	3	27,45
1	GRENVILLE SERIES			
	Lake Huron, north of,	23	1	203
	Sudbury,	22	2	134
2	GRENVILLE SERIES			
	Sudbury nickel area, description	N.C.		R 016
8	HURONIAN ROCKS			
	L. Huron (N. Shore) area, Algoma	GB 004		12-37
	Sudbury & Manitoulin Dist.			168-169

GDIF FORM NO. 8

ODM GENERAL INDEX SEARCH

Words searched:

Index Volume	Listing:	Report Volume	Part	Page
9	HURONIAN ROCKS			
	Sudbury-Manitoulin-Espanola area, Sudbury & Manitoulin Dist.	GR131		31-32
		GR138		23,26
		GR166		121-123
	Isotopic age			
	Espanola-Sudbury-Whitefish Falls area	GR131		7
	Sudbury District	GR138		26
	lithology			
	Sudbury-Manitoulin-Espanola area, Sudbury & Manitoulin Districts	GR131		7-33
		GR136		17-35
		GR138		8-27
		GR139		14-29
		GR166		23-126
8	LORRAIN FORMATION			
	L. Huron (N. shore) area, Algoma, Sudbury & Manitoulin Districts	GB 004		31-34
3	LORRAIN FORMATION			
	L. Huron (N. shore) area, Algoma, Sudbury &	38	7	2,4,7
9	SUDBURY-ESPANOLA AREA, Sudbury and Manitoulin Dist.			
	Report and charts on Petrography 1977 by K. D. Card, D. G. Innes and R. L. Debicki	S 016		

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
		REGIONAL GEOLOGICAL COMPILATION MAPS		
Card, K. D.	1975	Algoma, Manitoulin, Nipissing, Parry Sound, Sudbury and Timiskaming Districts	O.G.S. Map 2361	1"=4 miles
Card, K. D.	1978	Geology of the Sudbury-Manitoulin area, District of Sudbury and Manitoulin	O.G.S. Map 2360	1"=2 miles
O.G.S.	1977	Molybdenum Deposits of Ontario, East Central Sheet	Map P.1246	1"=16 miles
O.G.S.	1977	Molybdenum Deposits of Ontario, Southern Sheet (Southern Ont. Dist. of Nipissing)	Map P.1247	1"=16 miles
O.G.S.	1977	Nickel Deposits of Ontario, East Central Sheet, Districts of Thunder Bay, Algoma, Cochrane, Sudbury, Timiskaming & Nipissing	Map P.1062	1"=16 miles
		GEOPHYSICAL MAPS		
G.S.C.-O.D.M.	1965	Aeromagnetic Map, Lake Panache, Ont.	Map 1516G	1"=1 mile
G.S.C-O.D.M.	1965	Aeromagnetic Map, Sudbury, Ont.	Map 7067G	1"=4 miles
O.G.S.	1976	Uranium Reconnaissance Program Airborne Gamma Ray Spectrometer Survey. Geophysical Series.	Map 1610	1"=250,000
		SURFICIAL, PLEISTOCENE, TERRAIN ENGINEERING		
Department of Energy, Mines and Resources, Surveys and Mapping Branch	1975	Topographic Map, Whitefish Falls		1:50,000

GDIF FORM NO.9

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
Gartner, J. F. P. Eng.	1978	N.O.E.G.T. Study 99 Data Base Map Espanola	Map P.5002	1"=100,000
		MINERAL POTENTIAL MAPS		
Springer, J.	1978	Ontario Mineral Potential, Southern Part of the Sudbury Sheet, District of Algoma, Manitoulin	O.G.S. Map P.1511	1"=250,000
		GEOCHEMICAL		
		No Data Available, Feb. 6, 1985		
		GEOLOGICAL REPORTS AND MAPS		
Card, K. D.	1978	Panache Lake (East Part) Preliminary	O.D.M. Map P.669	1"=1 mile
Card, K. D.	1978	Geology of the Sudbury-Manitoulin Area District of Sudbury and Manitoulin	O.G.S. Map 2360 Charts A,B,C	1"=2 miles 1"=2 miles
Card, K. D., Debicki, R. L. and Innes, D. G.	1977	Stratigraphy, Sedimentology and Petrology of the Huronian Supergroup in the Sudbury-Espanola Area	S 016	
Card, K. D., Frarey, M. J. and Robertson, J. A.	1968	The Federal-Provincial Committee on Huronian Stratigraphy Progress Report	MP31	
Debicki, R. L.	1982	Killarney Provincial Park area, Ontario	O.G.S. Guidebook No.6	
G.S.C.	1978	Metamorphism in the Canadian Shield	G.S.C. 78-10	p.269-282

GDIF FORM NO.9

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
Jones, W. A.	1930	1) Petrography of the rocks in the vicinity of Killarney, Ontario 2) Killarney Gneiss and Xenoliths at Sudbury. Ph.D. UT.	O.D.M. MP2	
Lindsey, D. A.	1969	Glacial Sedimentology of the Precambrian Gowganda Formation, Ontario, Canada	G.S.A. Bull.80	
Ontario Division of Mines, Ministry of Natural Resources	1975	North Shore of Lake Huron Region, Geology of	Guidebook No.4	P.13,29,31, 37,76
Ontario Division of Mines Geology Branch	1978	Geology of the Panache Lake Area District of Sudbury and Manitoulin	OFR5123	p.xx
Schenk, P. E.	1965	Depositional Environment of the Gowganda Formation (Precambrian) at the south end of Lake Temagami, Ont.	J. Sed. Pet., Vol.30	
		JOURNALS ARTICLES, THESES, TECHNICAL REPORTS		
Casshyap, S. M.	1966	Sedimentary Petrography and Stratigraphy of the Huronian Rocks, South of Espanola, Ontario Pts. 1 and 2. Ph.D. Western	Sudbury Theses File No.2	
Long, D. G. F.	1978	Depositional Environments of a thick Proterozoic sandstone; the (Huronian) Mississagi Formation of Ontario, Canada	Can. J. Earth Sci., Vol.15	pp.190-206
Lindsey, D. A.	1969	Glacial Sedimentology of the Precambrian Gowganda Formation, Ontario, Canada .	Geol. Soc. Am. Bull.80	pp.1685-1702

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
Lindsey, D. A.	1967	The Sedimentology of the Huronian Gowganda Formation, Ontario, Canada. Pt.1 & 2. Ph.D.(?) J.H.	Sudbury File No.16	
McDowell, J. P.	1963	A Paleocurrent Study of the Mississagi Quartzite Along the North Shore of Lake Huron. Ph.D. J.H.	Sudbury File No.35	
McLennan, S. M., Fryer, B. J., Young, G. M.	1979	The geo-chemistry of the carbonate-rich Espanola Formation (Huronian) with emphasis on rare earth elements	Can. J. Earth Sci., Vol.15	pp.230-239
Palonen, P. A.	1971	Stratigraphy and Deformational Environmental of the Mississagi Fm., Ont., M.Sc., Calgary	Sudbury Theses File No.18	
Quirke, T. T.	1915	Geology of Espanola District, Ontario. Ph.D., UC.	MP2	p.38
Siemiatkowska, K. M.	1970	Bibliography of Huronian Geology Covering the Region from Sault Ste. Marie to the Grenville Front	Sudbury Theses File	
Thachuk, N. M.	1960	The Origin of the Gowganda Banded Argillite. B.A.Sc., UT.	MP2	p.44
Young, G. M.	1973	Origin of the carbonate-rich Early Proterozoic Espanola Formation; Ontario, Canada	Geol. Soc. Am. Bull., Vol.84	p.135-160
Zolnai, A. I., Prince, R. A., Helmstaedt, H.	1984	Regional Cross Section of the Southern Range Adjacent to Lake Huron, Ontario: Implications For The Tectonic Significance of the Murray Fault Zone	Can. J. Earth Sci. Vol.21	pp.447-456

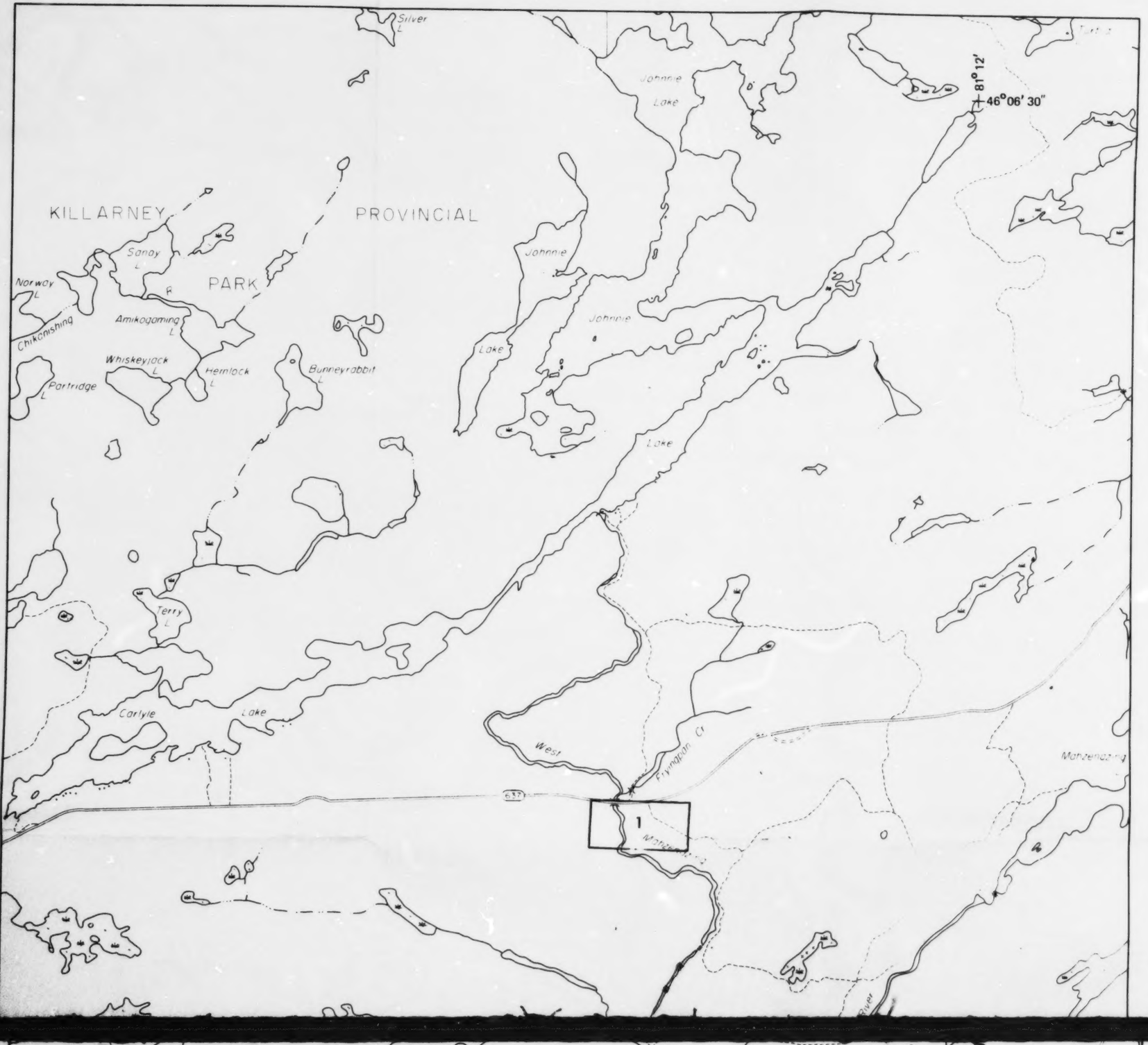
GDIF FORM NO.9

NOTES AND ADDENDA

Index of Aerial Photographs

Scale 1"=4 miles

Year	Roll	Line	Numbers
1959	22	4605	51-56
	22	4604	120-122
	2	4603	141-142
	36	4602	80-82



Ministry of Natural Resources

Ontario

ONTARIO GEOLOGICAL SURVEY

PROPERTY LOCATION MAP

GEOLOGICAL DATA INVENTORY FOLIO 262

(Map **1** of **2**)

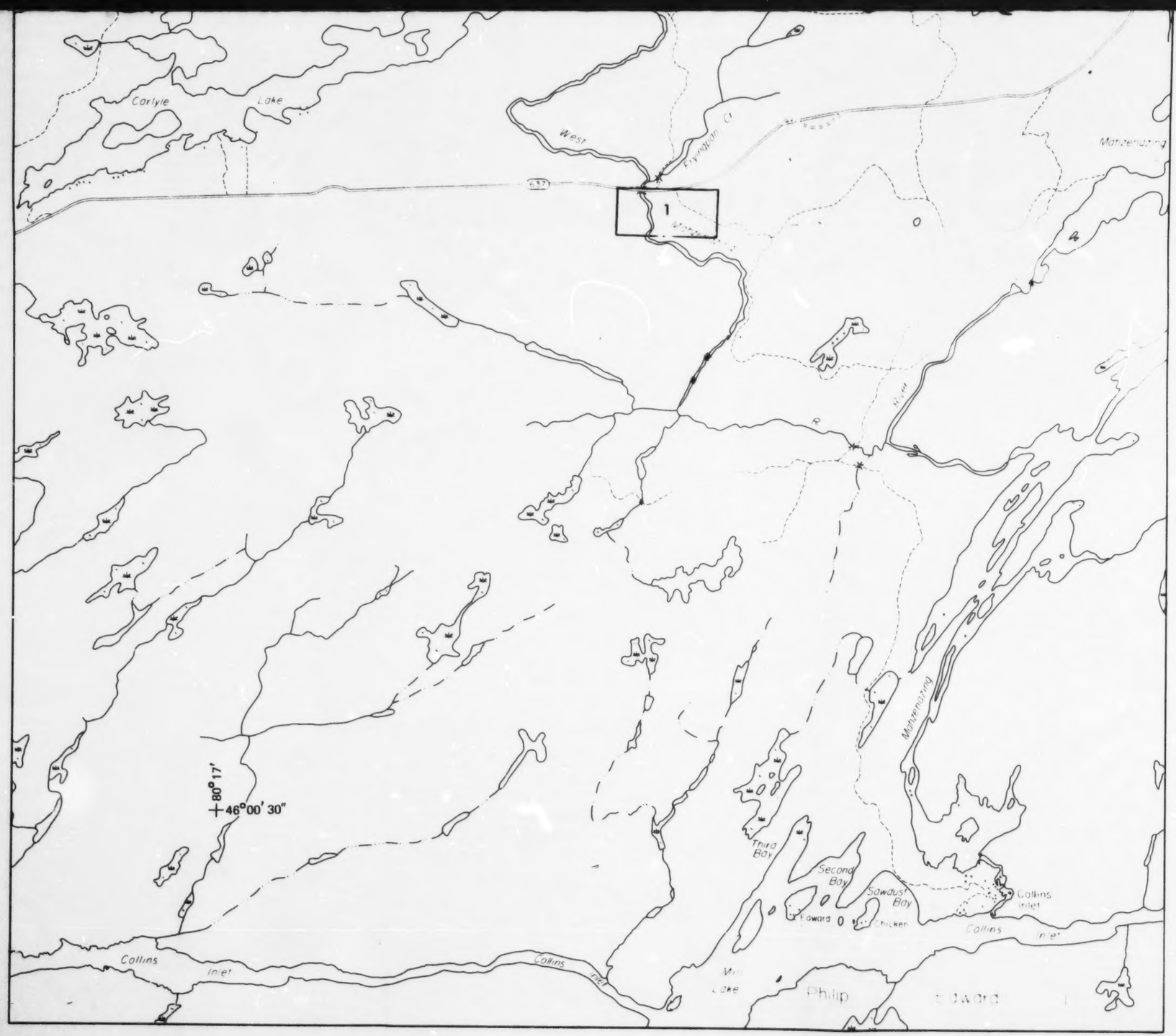
CARLYLE TOWNSHIP

DISTRICT OF SUDBURY

Scale 1:31 680

Mile 0.5 0 0.5 1 Mile

Kilometre 0.5 0 0.5 1 Kilometre



EXPLORATION DATA FILE AREAS

- ⊠ ① ⑥ — Reference numbers always inside work area outlined. See listing in text pages.
- □ x ④ — Small area of exploration.

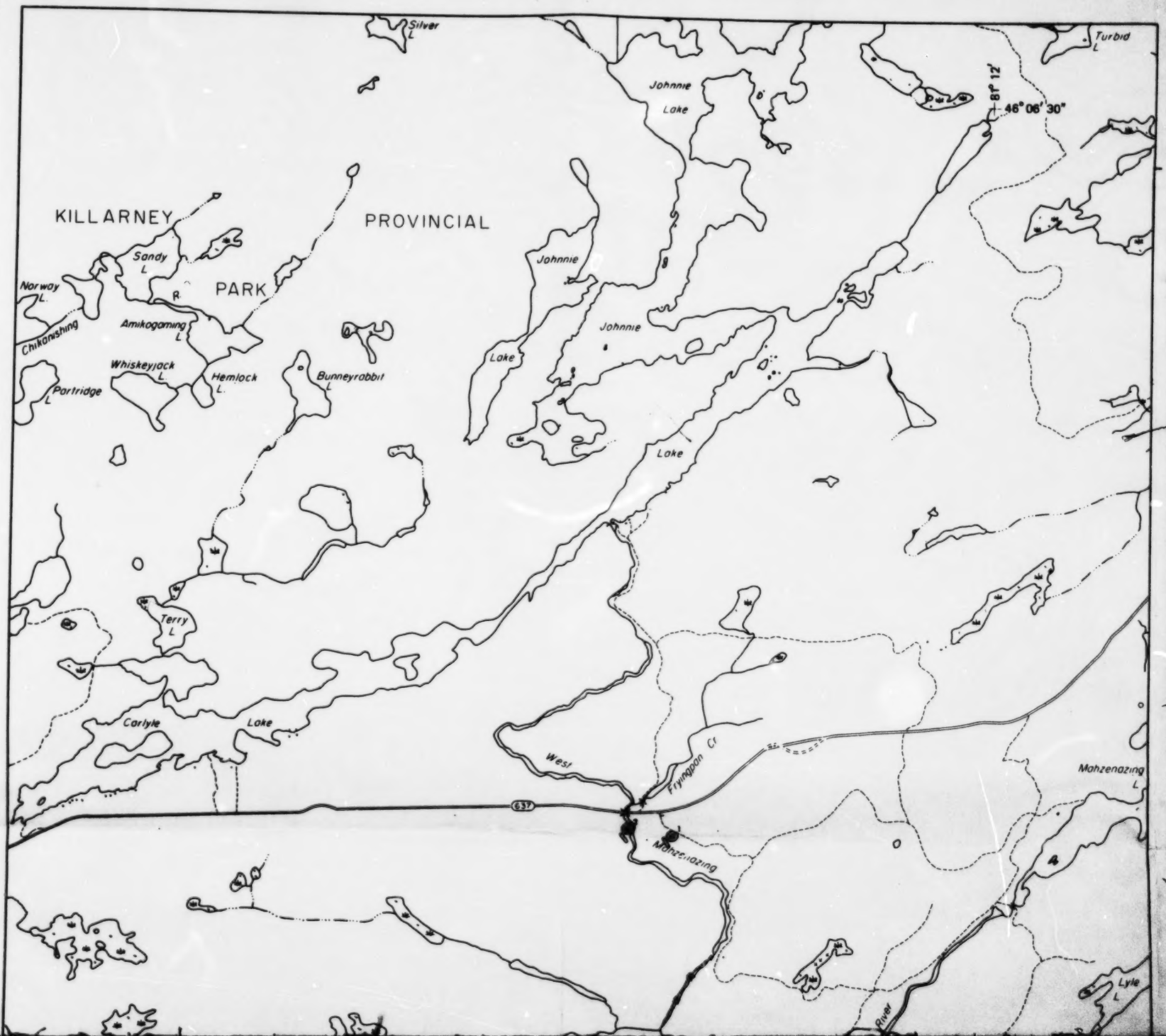
TYPES OF DATA SHOWN ON THIS MAP

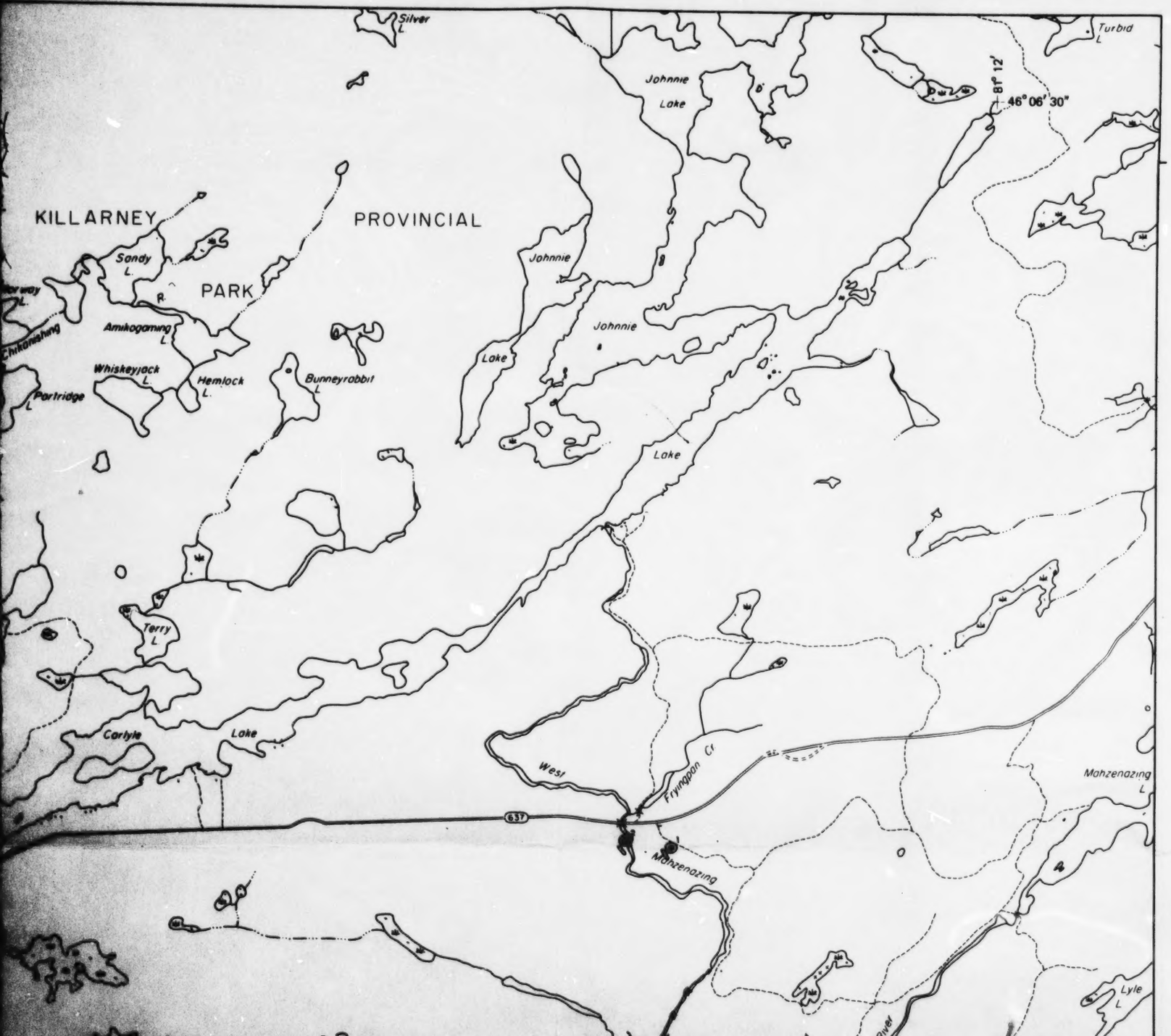
GEOCHEMICAL AND GEOCHRONOLOGICAL DATA

- ☐ ◆³ — Geochemical sample site, with reference number
- ☐ ◆³ — Area of geochemical sampling, with reference number
- ☐ ✳² — Age dating material sampling site, with reference number
- ☐ —GC— — Geochemical Anomaly

GEOPHYSICAL ANOMALIES

- ☐ —AM— Airborne Magnetometer Anomaly
- ☐ Airborne Electromagnetometer Anomaly
  Length of anomaly along flight line
- ☐ Airborne Electromagnetometer Anomaly.
  Location of anomaly along flight line
- ☐ Airborne Electromagnetometer Anomaly
  Conductor Axis: definite, probable, possible
- ☐ —ARA— Airborne Radiometric Anomaly
- ☐ —M— Ground Magnetometer Anomaly
- ☐ —VL— Ground Electromagnetometer Anomaly
  (VL - Vertical Loop; HL - Horizontal Loop;
  VLF - Very low freq; Turam; JEM -
  Crone EM - 16)
- ☐ —RM— Ground Radiometric Anomaly
- ☐ —IP— Induced Polarization Anomaly
- ☐ —SP— Self Potential Anomaly
- ☐ —APMAG— Audio-frequency magnetometer anomaly
  (total intensity)
- ☐ —R— Resistivity Anomaly
- ☐ —GR— Gravity Anomaly
- ☐ Radiometric Site





Ministry of Natural Resources
Ontario

ONTARIO GEOLOGICAL SURVEY

EXPLORATION DATA MAP

GEOLOGICAL DATA INVENTORY FOLIO 262

(Map 2 of 2)

CARLYLE TOWNSHIP

DISTRICT OF SUDBURY

Scale 1:31 680

Mile 0.5 0 0.5 1 Mile

Kilometre 0.5 0 0.5 1 Kilometre

GEOLOGICAL AND MINING SYMBOLS

TYPES OF DATA SHOWN ON THIS MAP

MINERAL OCCURRENCES

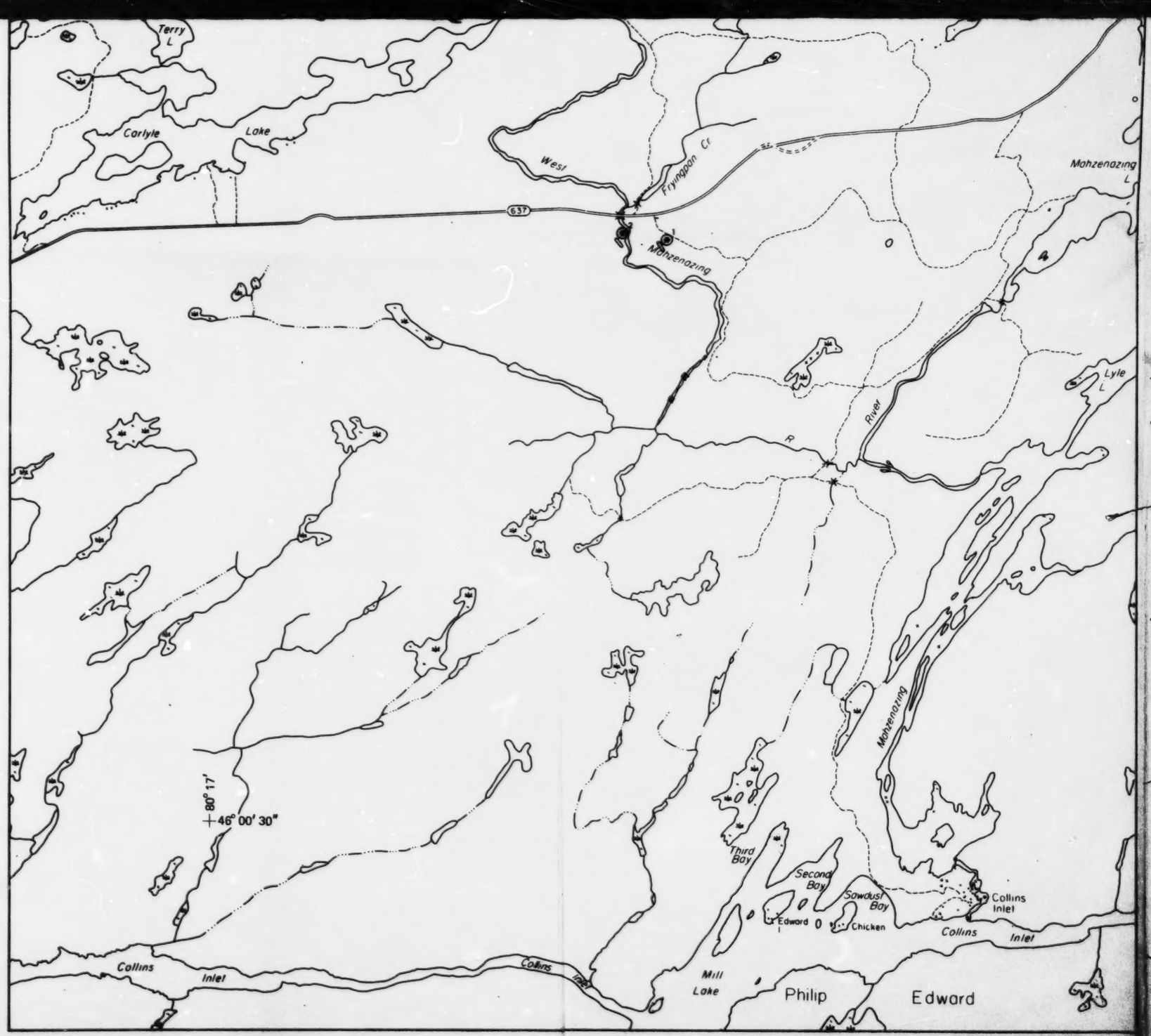
- Mineral occurrence at surface, with reference letter
- Mineral occurrence with shaft, depth given with reference letter
- Mineral occurrence reported but exact location uncertain, with reference letter

- Airborne Electromagnetometer Anomaly. Location of anomaly along flight line
- Airborne Electromagnetometer Anomaly Conductor Axis: definite, probable, possible
- Airborne Radiometric Anomaly
- Ground Magnetometer Anomaly
- Ground Electromagnetometer Anomaly (VL - Vertical Loop; HL - Horizontal Loop; VLF - Very low freq; Turam; JEM - Crone EM - 16)
- Ground Radiometric Anomaly
- Induced Polarization Anomaly
- Self Potential Anomaly
- Audio-frequency magnetometer anomaly (total intensity)
- Resistivity Anomaly
- Gravity Anomaly
- Radiometric Site

MISCELLANEOUS DATA

- Trenching, pit
- Adit
- Open pit
- Multiple Pits
- Rock quarry
- Sand and/or gravel pit

NOTE: Consult the text that accompanies this map for pertinent lists of data, references, and abbreviations.



GEOLOGICAL AND MINING SYMBOLS

TYPES OF DATA SHOWN ON THIS MAP

MINERAL OCCURRENCES

- ☐ cp A. — Mineral occurrence at surface, with reference letter
- ☐ Au A. 6m — Mineral occurrence with shaft, depth given with reference letter
- ☐ Ag A. — Mineral occurrence reported but exact location uncertain, with reference letter
- ☐ cp A. — Mineralized Float with reference letter

DRILL HOLES

- ☐ ●² — Location of single drill hole, with reference number
- ☒ ◉² — Location of closely spaced group of drill holes, with reference number
- ☐ (?)² — Drill hole, exact location uncertain, with reference number.
- ☐ — Property with underground drill holes in this general area, with reference number
- ☐ ○² — Property with drill holes which have not been plotted on map, with reference number
- ☐ ⊕² — Reverse Circulation Drill Hole; Churn drilling, with reference number